

FIG. 1

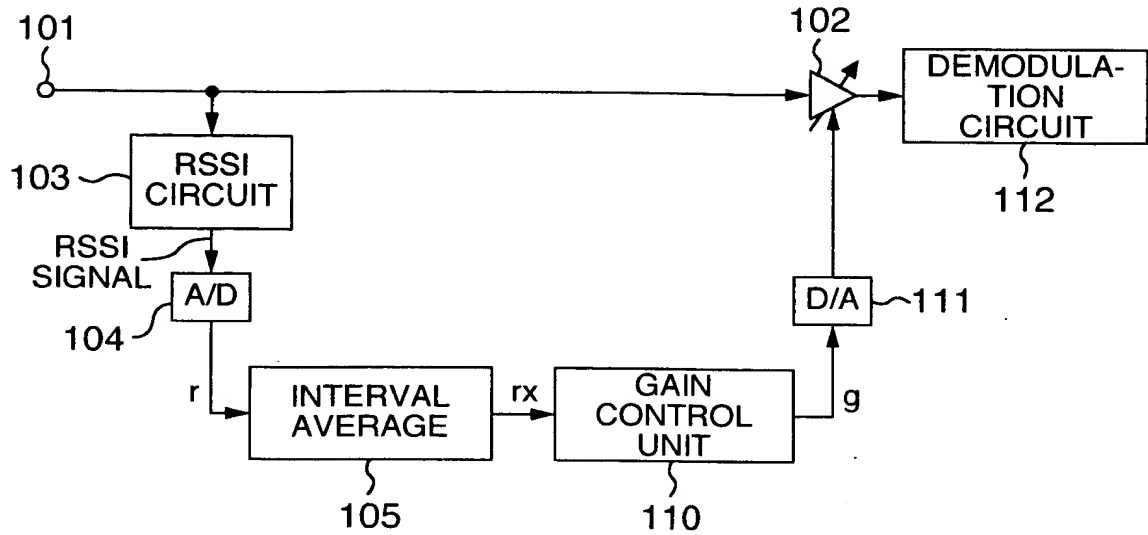


FIG. 2

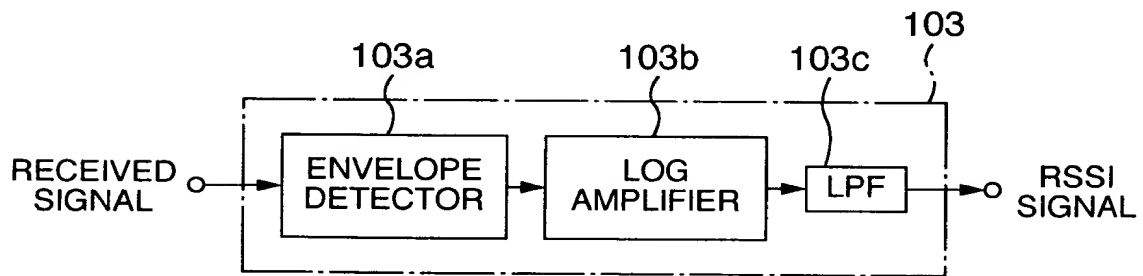


FIG. 3

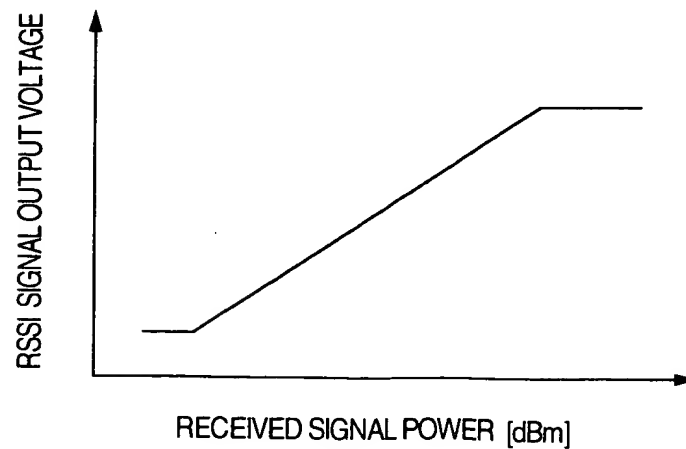


FIG. 4

LP+R	Pb	RI	SW	Pb	PI	G
40	88	56	32	56	104	8

LP+R: LINEARIZER PREAMBLE LINE-UP
 Pb: PREAMBLE
 RI: COMMUNICATION INFORMATION CHANNEL
 SW: SYNC WORD
 PI: PARAMETER INFORMATION CHANNEL
 G: GUARD TIME

FIG. 5

LP+R	Pb	Tch	RI	SW	UD	Tch
40	2	96	56	32	20	160

LP+R: LINEARIZER PREAMBLE LINE-UP
 Pb: PREAMBLE
 Tch: COMMUNICATION CHANNEL
 RI: COMMUNICATION INFORMATION CHANNEL
 SW: SYNC WORD
 UD: UNDEFINED PORTION

FIG. 6

SB_0	SB_1	TCH_0	TCH_1	TCH_2	...	TCH_N
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 TIME

SB_0, SB_1 : SYNC BURST
 TCH_N : TRAFFIC CHANNEL FRAME

FIG. 7A

RECEIVED SIGNAL

FIG. 7B

RSSI SIGNAL r

FIG. 7C

INTERVAL AVERAGE α OF r

FIG. 7D

CONTROL SIGNAL g

FIG. 7E

INPUT SIGNAL OF
DEMODULATION
CIRCUIT 112

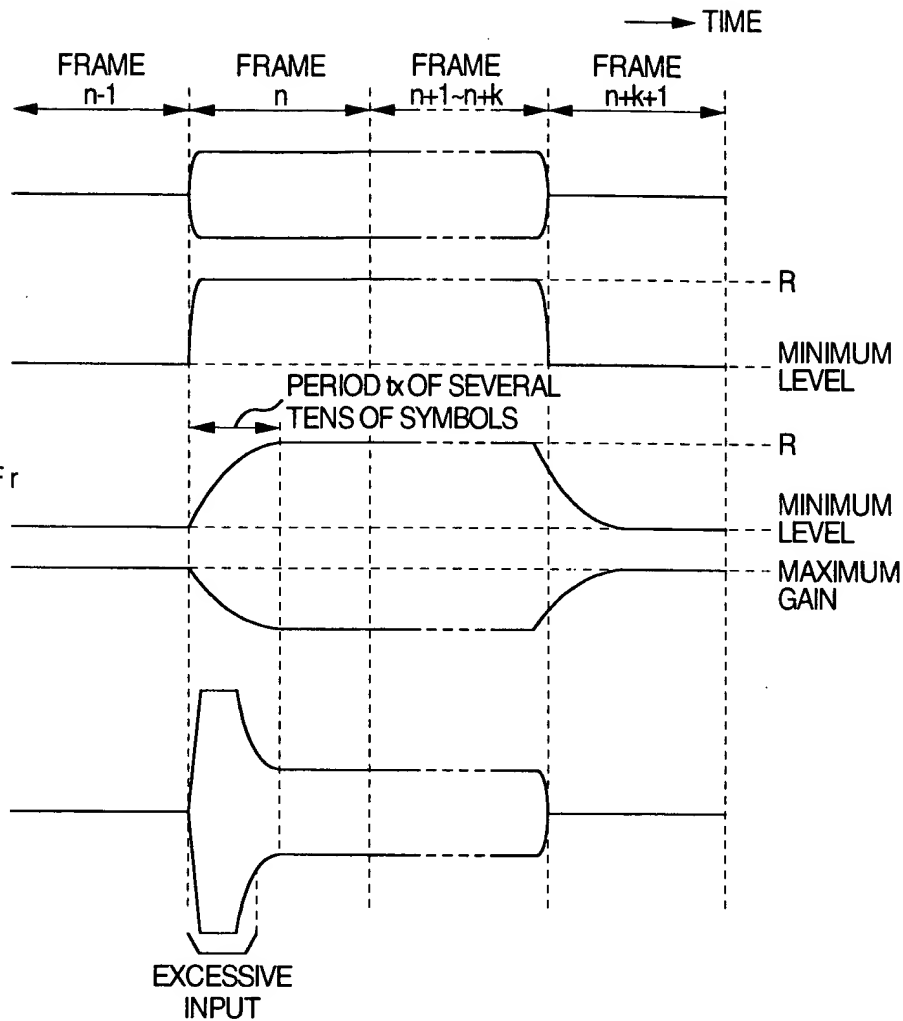


FIG. 8A

FRAME n

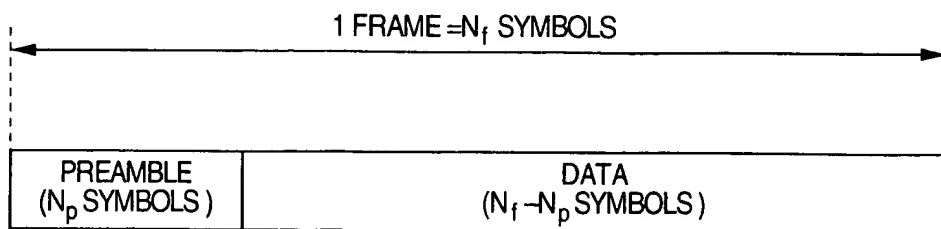


FIG. 8B

FRAMES $n+1$ TO $n+k$

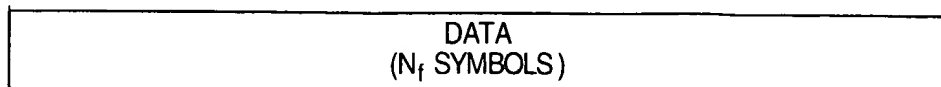


FIG. 9

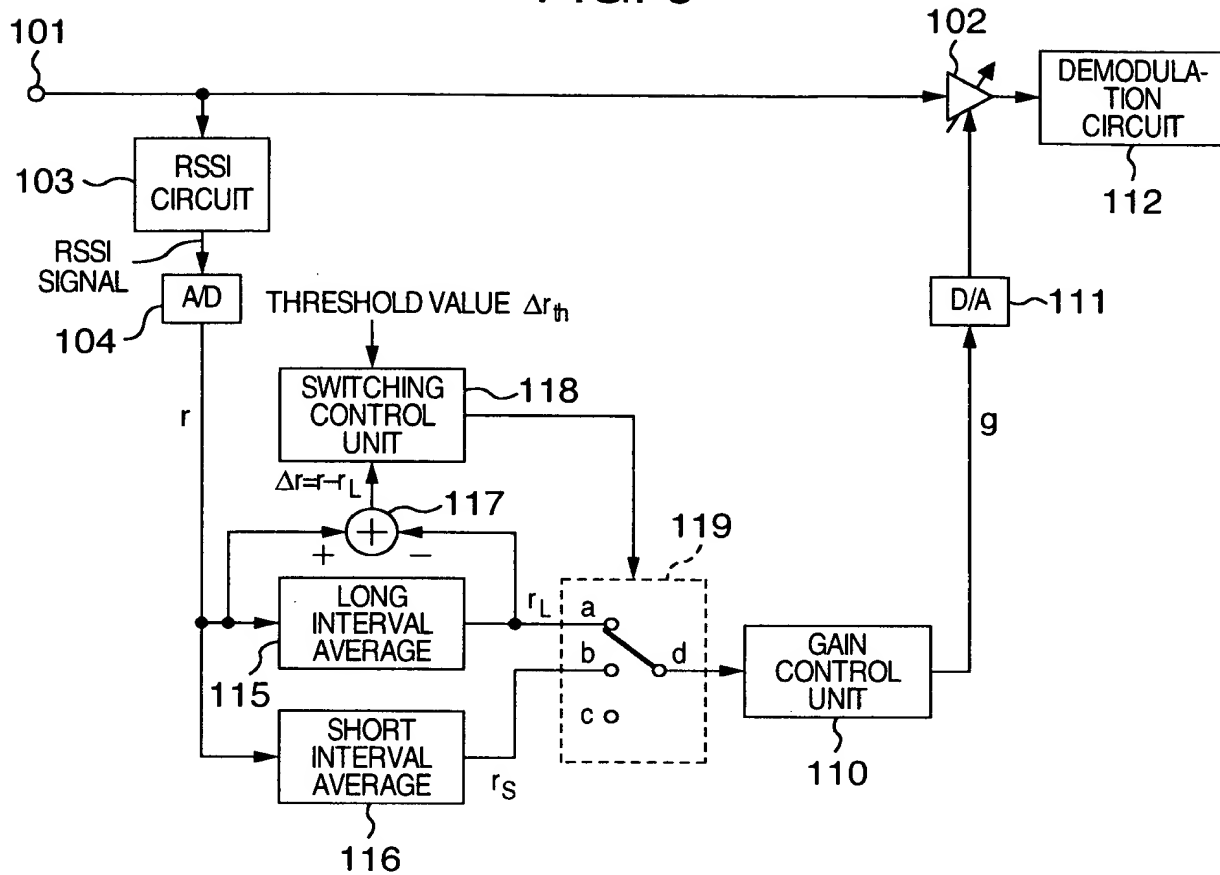


FIG. 10

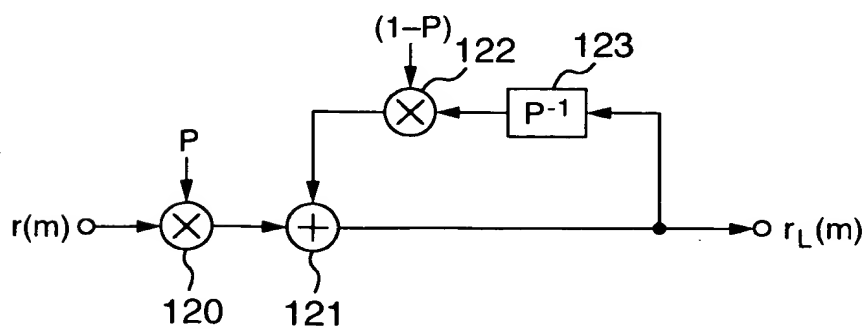


FIG. 11A

RECEIVED SIGNAL

FIG. 11B

RSSI SIGNAL r

FIG. 11C

LONG INTERVAL
AVERAGE r_L OF r

FIG. 11D

SHORT INTERVAL
AVERAGE r_S OF r

FIG. 11E

$\Delta r = r_L$

FIG. 11F

CONTROL SIGNAL g

FIG. 11G

INPUT SIGNAL OF
DEMODULATION
CIRCUIT 112

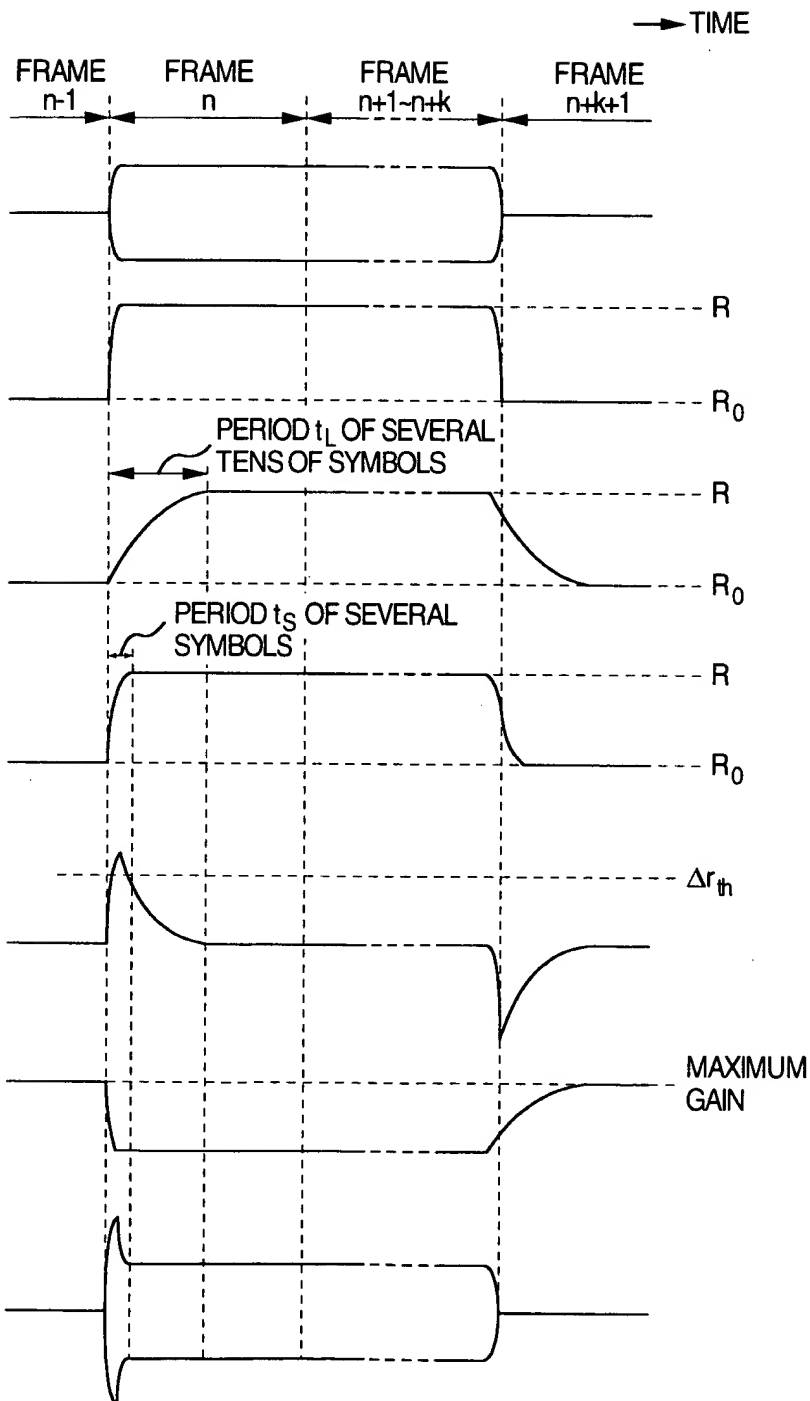


FIG. 12A

RECEIVED SIGNAL

FIG. 12B

RSSI SIGNAL r

FIG. 12C

LONG INTERVAL
AVERAGE r_L OF r

FIG. 12D

SHORT INTERVAL
AVERAGE r_S OF r

FIG. 12E

$\Delta r = r_L$

FIG. 12H

CONTROLLED STATE

FIG. 12F

CONTROL SIGNAL g

FIG. 12G

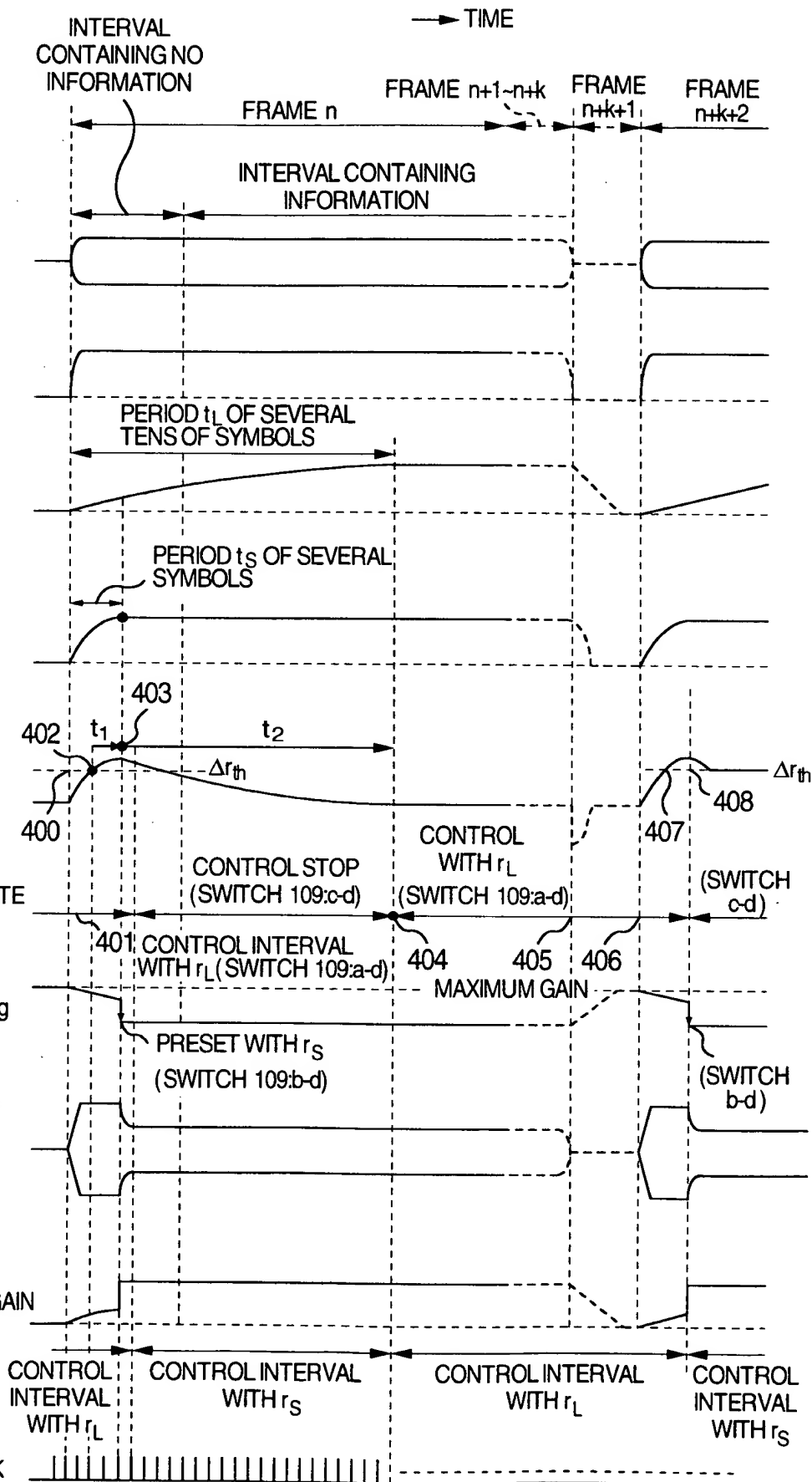
INPUT SIGNAL OF
DEMODULATION
CIRCUIT 112

FIG. 12I

INPUT SIGNAL TO GAIN
CONTROL UNIT

FIG. 12J

OPERATION CLOCK



09386210 062201
T02290" 01298860

FIG. 13

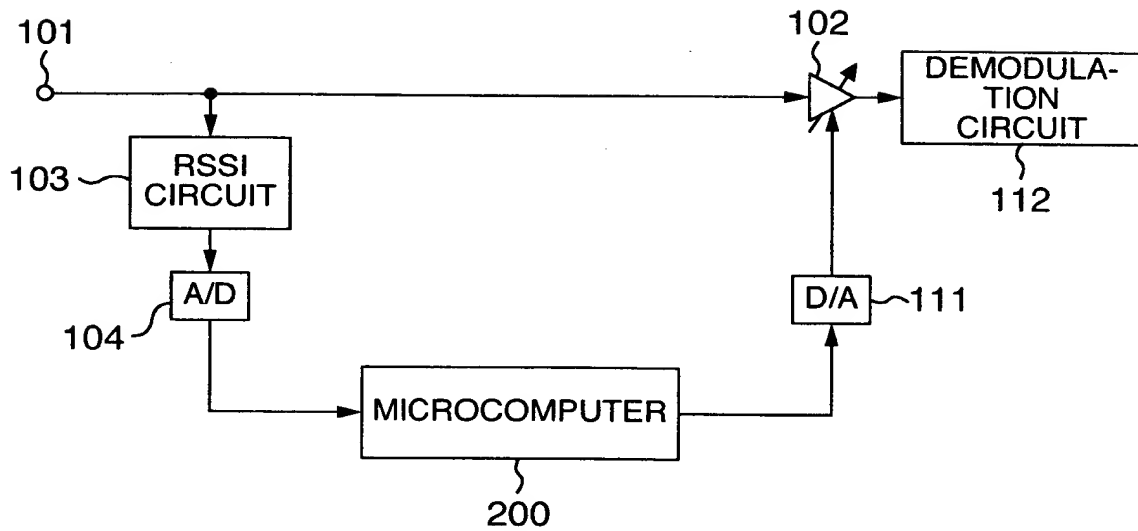


FIG. 14

